

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A method for controlling the target bit error rate of each packet in wired and wireless video communication systems, which controls the target BER of the said video packet depending on the importance of the entire decoded image quality of the said video packet.
2. (Currently Amended) The method of claim 1 wherein the said importance of the video packet is determined by at least one of the followings; following:
 - (1) estimated distortion value, which is estimated even though the error concealment of the error occurred during transmitting of said video packet is performed, and
 - (2) the number of the wireless channel through which the said video packet passes.
3. (Original) The method of claim 2 wherein the target BER is controlled small after determining the video packet as having high importance if the said estimated distortion value is high, and the target BER is controlled large after determining the video packet as having low importance, if the said estimated distortion value is low.
4. (Original) The method of claim 3 wherein a transmitting encoder estimates the estimated distortion value of the said video packet as performing the error concealment function for the said video packet to be transmitted.
5. (Currently Amended) The method of claim 2 wherein a hardware which performs the same error function as ~~or the similar error function to the~~ a receiving decoder specially prepared at the ~~said~~ a transmitting encoder estimates the estimated distortion value of said video packet.

6. (Currently Amended) The method of claim 3 wherein a hardware which performs the same error function as ~~or the similar error function to the~~ a receiving decoder specially prepared at ~~the~~ said a transmitting encoder estimates the estimated distortion value of said video packet.

7. (Currently Amended) The method of claim 4 wherein a hardware which performs the same error function as ~~or the similar error function to the~~ a receiving decoder specially prepared at ~~the~~ said a transmitting encoder estimates the estimated distortion value of said video packet.

8. (Currently Amended) The method of claim 2, wherein a hardware which performs the error concealment function installed on ~~the~~ a transmitting decoder estimates the estimated distortion value of said video packet.

9. (Currently Amended) The method of claim 3, wherein a hardware which performs the error concealment function installed on ~~the~~ a transmitting decoder estimates the estimated distortion value of said video packet.

10. (Currently Amended) The method of claim 4, wherein a hardware which performs the error concealment function installed on ~~the~~ a transmitting decoder estimates the estimated distortion value of said video packet.

11. (Currently Amended) The method of claim 2 wherein the target BER of said video packet which passes more often through said wireless channel is controlled smaller in the wireless channel compared to the target BER which ~~doesn't~~ does not pass through the wireless channel.

12. (Currently Amended) The method of claim 3 wherein the target BER of said video packet which passes more often through said wireless channel is controlled smaller in the wireless channel compared to the target BER which passes less often through the wireless channel.

13. (Currently Amended) The method of claim 4 wherein the target BER of said video packet which passes more often through said wireless channel is controlled smaller in the wireless channel compared to the target BER which passes less often through the wireless channel.

14. (Currently Amended) A method wherein ~~the~~ a transmitting part transmits the coded video data to a receiving part in wired and wireless video communication systems, which comprises the steps of[;]:

- (1) dividing the said video data into ~~packet unit~~ video packets,
- (2) controlling the target BER for ~~the~~ each said ~~divided~~ video packet ~~controls~~ depending on the importance of the corresponding video packet for the entire decoded image quality, and
- (3) managing ~~the~~ each said video packet to satisfy the target BER and ~~is transmitted~~ transmitting the video packets.

15. (Currently Amended) The method of claim 14 wherein the said importance of the video packet at the said 2nd step is determined by at least one of the followings; following:

- (1) estimated distortion value, which estimates the occurred distortion even though the error concealment for the error occurred during transmitting of said video packet ~~is performed~~, and
- (2) the number of the wireless channel through which the said video packet passes.

16. (Original) The method of claim 15 wherein the target BER is controlled small after determining the video packet as having high importance if the said estimated distortion value is high, and

the target BER is controlled large after determining the video packet as having low importance, if the said estimated distortion value is low.

17. (Original) The method of claim 15 wherein the target BER of the video packet which passes through the said wireless channel is controlled smaller in the wired channel compared to the target BER which ~~doesn't~~ does not pass the wireless channel, and

the target BER of the video packet which passes more often through the said wireless channel is controlled smaller in the wireless channel compared to the target BER which passes less often through the wireless channel.

17. (Currently Amended) The method of claim 15 wherein the target BER of the video packet which passes through the said wireless channel is controlled smaller in the wired channel compared to the target BER which doesn't does not pass the through the wireless channel, and

the target BER of the video packet which passes more often through the said wireless channel is controlled smaller in the wireless channel compared to the target BER which passes less often through the wireless channel.

18. (Original) The method for the 3rd step of claim 14 wherein the FEC method is used to satisfy the target BER of said video packet.

19. (Currently Amended) The method for the 3rd step of claim 18 wherein the a constraint length is extended or the a code rate of the a convolution coding or turbo coding is made high if the target BER is small due to the high importance of the said video packet.

20. (Original) The method for the 3rd step of claim 18 wherein many channel coding bits of Reed-Solomon code or BCH code are added if the target BER is small due to high importance of said video packet.

21. (Currently Amended) The method for the 3rd step of claim 14 wherein the a method for controlling the transmitted power in the wireless channel area is used to satisfy the target BER of said video packet.

22. (Currently Amended) The method for the 3rd step of claim 21 wherein the transmitted power is allocated as follow; follows:

(1) allocating high transmitted power if the importance of said video packet is high, and

(2) allocating lower transmitted power if the importance of said video packet is low.

23. (Original) The method of claim 14 wherein the said video packet is transmitted with the information by which the target BER of the said video packet can be calculated.

24. (Currently Amended) A recording medium which can be read by ~~the a~~ computer on which ~~the a~~ program is recorded for performing ~~the a~~ video transmission method which comprises the steps of[[;]]:

(1) dividing ~~the said~~ video data into ~~packet unit~~ video packets,

(2) controlling the target BER for ~~the each~~ said ~~divided~~ video packet ~~controls~~ depending on the importance of the corresponding video packet for the entire decoded image quality, and

(3) managing ~~the each~~ said video packet to satisfy the target BER and ~~is transmitted~~ transmitting the video packets.